## **Employee Post-Travel Disclosure of Travel Expenses**

Date/Time Stamp:
RECEIVED:
SECRETARY OF THE SENATE

2019 APR 23 PM 2: 26

Post-Travel Filing Instructions: Complete this form within 30 days of returning from travel. Submit all forms to the Office of Public Records in 232 Hart Building.

	tule 35.2(a) and (c), I more or me. I also certify that	<del>-</del>	sures with respect to	travel expenses that have been or w
	loyee Pre-Travel Author vate Sponsor Travel Cer	tification Form with all	attachments (itinerar	y, invitee list, etc.)
Private Sponsor(s) (lis	ClearPath Fou st all):	undation and the Atl	antic Council	•
Travel date(s):				•
		N/A		· <del>- · ·</del>
Name of accompanying Relationship to Trave	ng family member (if and ler:	ny): ^hild	<u> </u>	
IF THE COST OF LOD	OGING DID NOT INCRI COSTS IN EMPLOYEE I	EASE DUE TO THE ACC EXPENSES. (Attach addi	tional pages if necessary	· · · · · · · · · · · · · · · · · · ·
	Transportation Expenses	Lodging Expenses	Meal Expenses	Other Expenses (Amount & Description)
☐ Good Faith Estimate	Total: 924.54  Coach Bus: \$127.01	\$1023.49 (5 nights)	\$832.08	N/A
☑ Actual Amount	Flight: \$797.53			
Expenses for Accom	panying Spouse or De		<del>, '</del>	
	Transportation Expenses	Lodging Expenses	Meal Expenses	Other Expenses (Amount & Description)
☐ Good Faith Estimate	N/A	N/A	N/A	· N/A
☐ Actual Amount				
	See Stacker	•	te Rule 35.2(c)(6). (A	Attach additional pages if
<u>4/25/2019</u> (Date)		ame of traveler)	,	(Signature of traveler)
,	ED BY SUPERVISING	-		(Signapire of Traveler)
	ination that the expense re necessary transportat			scribed in the Employee Pre-Travel in Rule 35.
4/25/2019			M F.	ruising Sanator/Officer)
(Date)			(signature oj supe	rvising Senator/Officer)



# CLEARPATH

#### **UNITED ARAB EMIRATES ENERGY STUDY TRIP**

# OCTOBER 13-19, 2018 • ABU DHABI • UNITED ARAB EMIRATES ANNOTATED AGENDA

### Saturday, October 13, 2018

10:10 p.m.

Flight departure

Location: Washington Dulles International Airport

Flight number: EA 130 Airline: Etihad Airways

### Sunday, October 14, 2018

7:10 p.m.

Arrival in Abu Dhabi, United Arab Emirates

Location: Abu Dhabi International Airport

8:00 - 8:40 p.m.

Travel from airport to hotel

Location:

St. Regis Abu Dhabi Nation Tower, Corniche

P.O. Box 60476 Abu Dhabi

United Arab Emirates

Transportation: Coach Bus

9:00 – 10:30 p.m.

Welcome Dinner and Briefing: State of the United Arab Emirates

Location: Villa Toscana at the St. Regis, Abu Dhabi

Briefers:

Mr. William Nash, Partner, Squire Patton Boggs

Mr. Dave Scott, Executive Director of Economic Affairs, Executive Affairs

Authority, Abu Dhabi

Staffers will receive an overview of the United Arab Emirates, serving to help familiarize them with relevant information. This will serve as part of their foundational understanding of the country and provide an opportunity to gain topical knowledge in preparation for the following days. Bill Nash has lived in the UAE for many years, knows the politics as well as the energy sector well.

# Monday, October 15

7:30 - 8:30 a.m.

**Breakfast** 

Location: The Terrace on the Corniche at the St. Regis

8:30 – 11:30 a.m.

Travel to Barakah Nuclear Power Plant

Transportation: Coach Bus

Advisory: Please ensure to come dressed in appropriate clothing for a walk down of the construction site at Barakah, and <u>bring your passport</u> as that's the identification document corresponding to the documents used to issue the Security Clearance Pass.

#### 11:30 a.m. – 12:00 p.m. Meeting with Emirates Nuclear Energy Corporation

Location: Barakah Nuclear Power Plant

Briefer:

**Mohamed Al Hammadi**, *Chief Executive Officer*, Emirates Nuclear Energy Corporation

Mark Reddemann, Chief Executive Officer, Nawah Energy Company Nasser Al Nasseri, Chief Executive Officer, Barakah One Company

Founded in 2009, the Emirates Nuclear Energy Corporation (ENEC) is responsible for the implementation of the UAE's nuclear energy program. The move to pursue a nuclear program was in part due to the sustainability goals outlined under the Abu Dhabi Economic Vision 2030. ENEC's main priority is to deliver safe, clean, efficient, and reliable nuclear energy to the UAE grid in order to establish a more diversified power mix and provide a lower carbon emissions alternative to burning oil or gas. The short-term goal is to get the Barakah nuclear facility operational, at which point, ENEC will turn to focusing on operations at Barakah, while developing plans to expand nuclear operations to other locations.

#### 12:00 – 1:00 p.m. Nuclear Briefing Presentation

Briefer:

Eng. Ali Al Nuaimi, Senior Reactor Operator, Emirates Nuclear Energy Corporation

#### 1:00 – 2:00 p.m. Site Visit: Barakah Nuclear Power Plant

Briefer:

Hasan Al Shemeili, Nuclear Performance Improvement Manager, Nawah Energy Company

Barakah is the first nuclear site under construction in the UAE, designed with four APR1400 nuclear reactors to produce 5.6 GW of energy when all reactors are operational. The Korea Electric Power Corporation won the bid to design and build the facility, and construction on Unit 1 began in 2012 and is set to come online at the end of 2019 or beginning of 2020 after several delays. Unit 1 was finished in mid-2018 and the other three units are nearing completion. Units 1 and 2 are set to become operational as soon as the Emirati have finished their operator training.

2:00 - 3:00 p.m. Lunch

Location: Barakah

#### 3:00 – 6:00 p.m. Travel Briefing while returning to Abu Dhabi

Transportation: Coach Bus

Briefers:

Richard Powell, Executive Director, ClearPath Foundation Randolph Bell, Director, Global Energy Center, Atlantic Council

Staffers will debrief from their trip to Barakah and will receive an overview of global nuclear civilian energy efforts, the role the International Energy Agency (IEA) has forecasted for nuclear technologies in the future electricity grid, and other recent power sector emission reduction modeling.

6:00 - 7:10 p.m. Break

7:10 – 7:30 p.m. Travel to Dai Pai Dong

7:30 – 10:00 p.m. Dinner Briefing with US Embassy Abu Dhabi and American Chamber of

Commerce in Abu Dhabi

Location: Dai Pai Dong, at The Galleria Mall/Rosewood Hotel

**Briefers**:

Alison Dilworth, Economic Counselor, US Embassy, Abu Dhabi Adam Stern, Deputy Economic Counselor, US Embassy, Abu Dhabi

Staffers will hear about contemporary issues in the UAE from the perspective of members of the US embassy in Abu Dhabi, as well as the American Chamber of Commerce. The American Chamber of Commerce works to promote commerce, investment, and goodwill between the US and the UAE, and provides a unique platform through which executives can discuss issues impacting business relations between the two countries. This dinner will provide staffers with the opportunity to get a sense of both political and economic concerns in the UAE.

10:00 - 10:30 p.m. Return to the Hotel

Transportation: Coach Bus

### Tuesday, October 16

7:15 - 8:15 a.m. Breakfast

Location: The Terrace on the Corniche at the St. Regis

8:15 – 9:30 a.m. Travel to Masdar City (Siemens Entrance Building)

Transportation: Coach Bus

9:30 – 10:00 a.m. Introductory tour of Masdar City

Location: Masdar, Masdar City, Abu Dhabi

Construction began on Masdar City in 2008 in order to build a completely sustainable city, juxtaposing urban planning with green technologies. It aims to advance the development and adoption of commercially viable solutions in renewable energy and sustainable real estate that address the sustainability challenges of the UAE, the Middle East and international markets. Masdar City implements an array of cutting-edge technologies to meet sustainability goals.

10:00 – 12:00 p.m. Meeting with Masdar CEO & Executive Team

Location: Masdar, Masdar City, Abu Dhabi

Briefer:

Mohamed Al Ramahi, Chief Executive Officer, Masdar

Prior to touring Masdar City, the staffers will have the opportunity to sit down with Mr. Al Ramahi, the CEO of Masdar since 2016. Mr. Al Ramahi leads the strategic development of Abu Dhabi Future Energy Company (Masdar), today a leading global commercial enterprise in renewable energy and clean technologies. He has played an instrumental role in the company's emergence over the last decade, both as a catalyst for renewable energy in the Arab world and as an early adopter of advanced clean technologies at scale in key international markets.

#### 12:00 – 12:30 p.m. Bus tour of Masdar City to view upcoming projects

Location: Masdar City, Abu Dhabi

This will allow staffers to see new initiatives Masdar City will begin implanting. Masdar City utilizes a variety of new technologies in order to promote sustainability and clean energy goals.

# 12:30 p.m. – 1:30 p.m. Site visit within Masdar City: Seawater Energy and Agriculture System

Location: Masdar City, Abu Dhabi

The UAE is a place where water scarcity is prevalent, and food security is of utmost importance. The Seawater Energy and Agriculture System is the flagship project of the Sustainable Bioenergy Research Consortium and combines an integrated system of aquaculture and agriculture to produce sustainable biofuels for aviation and other byproducts such as seafood. Seawater is pumped in to aquaculture ponds containing shrimp and fish. Nutrient rich water from the ponds is then used to irrigate fields of Salicornia, a halophytic (salt-loving) crop, which produces oilseeds, used in biofuels. The effluent from the fields is then channeled into a mangrove swamp, where the water is naturally filtered before reaching the sea.

#### 1:30 – 2:30 p.m. Lunch Briefing

Location: Jim's Kitchen Table

Ground Floor, Siemens Building - Masdar City - Abu Dhabi - United Arab

Emirates

#### Briefers:

Jeremy Harrell, Managing Director of Policy, ClearPath Foundation Spencer Nelson, Policy Analyst, ClearPath Foundation

Staffers will receive an overview of U.S. Federal energy research, development, and demonstration efforts that have facilitate clean energy deployments throughout the region.

2:30 - 6:30 p.m. Free Time

6:30 – 7:00 p.m. Travel time to Al Mrzab Restaurant

Transportation: Coach Bus

7:00 – 10:00 p.m. Dinner with Dr. Matar Al Neyadi

Location: Al Mrzab Restaurant, Airport Road, behind the National Theatre, Abu

Dhabi Briefer:

H.E. Dr. Matar Al Neyadi, Undersecretary, Ministry of Energy and Industry,

United Arab Emirates

Dr. Matar Al Neyadi serves as undersecretary in the Ministry of Energy and Industry of the United Arab Emirates. He has extensive experience working within the energy sector, and is an executive member in the Gas Exporting Countries Forum and a member of the executive office of the Organization of Arab Petroleum Exporting Countries, the National Emergency Crisis and Disaster Management Authority, and the board of trustees of the minister of interior's Award for Scientific Research.

10:00 - 10:20 p.m. Travel time to hotel

Transportation: Coach Bus

### Wednesday, October 17

7:45 – 8:45 a.m. Breakfast

Location: The Terrace on the Corniche at the St. Regis

8:45 – 10:45 a.m. Travel time to Ministry of Climate Change and Environment Dubai Office

Transportation: Coach Bus

10:45 – 11:45 a.m. Meet with Ministry of Climate Change and Environment

Location: Dubai Al Ruwayyah 2 Area Beside Zayed University, Dubai – AlAin Road,

Dubai Briefer:

H.E. Dr. Thani bin Ahmed Al Zeyoudi, Minister of Climate Change and

Environment, United Arab Emirates

The current Ministry of Climate Change and Environment was begun in 2016 when the role of the Ministry of Environment and Water was expanded to manage all aspects related to international and domestic climate change affairs. This ministry has its beginnings, though, in 1975 with the Supreme Committee for Environment. Under the leadership of H.E. Dr. Thani bin Ahmed Al Zeyoudi, the ministry is working towards a more sustainable future for the UAE and monitors climate change issues, as well as developing plans, strategies, and policies regarding the environment and agriculture.

11:45 a.m. - 1:15 p.m. Travel time to Abu Dhabi

Transportation: Coach Bus

1:15 - 1:45 p.m. Lunch

Location: St. Regis Hotel

1:45 – 2:00 p.m. Travel time to ADNOC

Transportation: Coach Buş

2:00 – 2:45 p.m. Briefing from Abu Dhabi National Oil Company's Panorama Data Analytics

Suite -

Location: ADNOC Headquarters, PO Box 898, Abu Dhabi

The Abu Dhabi National Oil Company (ADNOC) is one of the world's largest oil companies, with subsidiaries across the entire hydrocarbon value chain. ADNOC is working to become more integrated to ensure a more sustainable and economical oil and gas supply. This is being aided by the Panorama Data Analytics Suite. ADNOC's Panorama Digital Command Center draws from a massive set of data points across the company, from the upstream to the downstream and global distribution network, to provide a single access point to ADNOC's real time performance. Using smart analytical models and, increasingly, leveraging advanced Al platforms, it uses big data to generate operational insights and recommend new, integrated pathways to optimize and enhance performance and create additional value.

2:45 - 3:30 p.m.

Transportation: Coach Bus

Travel time to Al Reyadah

3:30 – 6:30 p.m. Site Visit: Al Reyadah – Carbon Capture, Usage, and Sequestration

Company

Location: Al Reyadah, Abu Dhabi

This project is currently operating by capturing carbon dioxide from the flue gas of an Emirates Steel production facility and then using this carbon dioxide in enhanced oil recovery (EOR) at a nearby oil field. The main objectives of the project are to reduce the carbon footprint of the United Arab Emirates, implement EOR in subsurface oil reservoirs, and free up natural gas that would have been used for oil field pressure maintenance. The Al Reyadah project captures, transports, and injects just under 900,000 tons of carbon dioxide per year

6:30 – 7:00 p.m. Travel time

Transportation: Coach Bus

7:00 – 9:30 p.m. Dinner with Abu Dhabi Investment Authority

Location: Café Milano, Four Seasons Hotel, P.O. Box 107032, Al Maryah Island, Abu Dhabi

Briefers:

Ms. Costanza Jacazio, Lead Economist, Global Research, Abu Dhabi

Investment Authority

Mr. Tit Andrej Erker, Senior Economist, Abu Dhabi Investment Authority

Founded in 1976, the Abu Dhabi Investment Authority (ADIA) is a sovereign wealth fund owned by the government of Abu Dhabi with the explicit purpose of investing funds generated from income received from oil sales. While unclear as to how much wealth ADIA controls, experts estimate its assets to be approximately \$800 billion, making it one of the largest sovereign wealth funds globally. While other sovereign funds will focus their investments on domestic development goals, ADIA does not invest in Abu Dhabi, the UAE, or the Gulf region. ADIA's goal, instead, is to secure and maintain the wealth of the Emirate, providing future generations with wealth generated from oil reserves, even when those reserves have run dry.

9:30 - 10:00 p.m.

Travel time to hotel

Transportation: Coach Bus

# Thursday, October 18

7:00 - 8:00 a.m. Breakfast

Location: The Terrace on the Corniche at the St. Regis

8:00 – 9:30 a.m. Travel briefing en route to Dubai

Transportation: Coach Bus

Briefer:

Randolph Bell, Director, Global Energy Center, Atlantic Council -

While Abu Dhabi controls a majority of the oil in the UAE, Dubai has heavily invested in a variety of different fields. Staffers will discuss the differences between Abu Dhabi and Dubai, focusing on diversification efforts.

9:30 – 11:30 p.m. Meet with Emirates Global Aluminium

Location: Emirates Global Aluminium, Sheikh Zayed Road, Jebel Ali, (opposite the Rattuta Mall). Dubai

Ibn Battuta Mall), Dubai

#### Briefer:

Mr. Abdulla Jassem bin Kalban, Managing Director and Chief Executive Officer, Emirates Global Aluminium

Emirates Global Aluminium (EGA) is the world's largest 'premium aluminium' producer and is the biggest UAE exporter outside of the oil and gas industry, producing 4 percent of the world's aluminum. EGA began in the 1970s when the UAE was exporting no aluminum and has transformed the industry to be a major player in the aluminum market. EGA currently operates smelters in Abu Dhabi and Dubai and is developing an alumina refinery in the UAE and a bauxite mine and export facility in the Republic of Guinea.

#### 11:30 a.m. – 1:30 p.m. Site visit: Emirates Global Aluminium industrial plant

The EGA plant at Jebel Ali was built in 1976 and was the first aluminum smelter to be built in the UAE and the second in the region. When production began in 1979, the production capacity was 135,000 metric tons, but after eight expansions, this has increased to over one million metric tons of aluminum per year. This plant is capable of producing a range of purities of aluminum and can go as high as 99.96 percent, which makes aluminum for specialist aviation and electronics.

1:30 - 2:30 p.m. Travel time to ACWA Power

2:30 – 4:00 p.m. **Lunch with ACWA Power** 

> Location: ACWA Power, The One Tower, 41" Floor, Barsha Heights, Sheikh Zayed Road, PO Box 38205, Dubai

Briefer:

Mr. Paddy Padmanathan, President and CEO, ACWA Power

ACWA Power is a private company, based in Saudi Arabia, with a presence in tencountries. ACWA works to produce power and desalinated water at the lowest possible cost and is capable of producing more than twenty-seven GW of power and over three million cubic meters of desalinated water daily.

Travel time to DEWA (TBC) 2:30 - 3:00 p.m. Transportation: Coach Bus

\*\*\* DEWA CANCELED LAST MINUTE \*\*\*

Meet with Dubai Electricity and Water Authority (TBC) 3:00 – 4:00 p.m.

Location: Dubai Electricity and Water Authority, PO Box 564, Dubai

Briefer:

H.E. Saeed Mohammed Al Tayer, Managing Director and Chief Executive Officer, Dubai Electricity and Water Authority

The Dubai Electricity and Water Authority (DEWA) was formed in 1992 from a merger between the Dubai Electric Company and Dubai Water Department. Since then, DEWA has become of the best ranking utilities companies in the world, supplying over 780,000 customers. DEWA has recently begun to incorporate solar into its power generation mix in an effort to decrease dependence on gas-fired power facilities.

Site Visit: DEWA Jebel Ali Power Plant & Desalination (TBC) 4:00 – 5:00 p.m.

Location: DEWA Jebel Ali Power Plant & Desalination Complex, Dubai